

Fig. 1

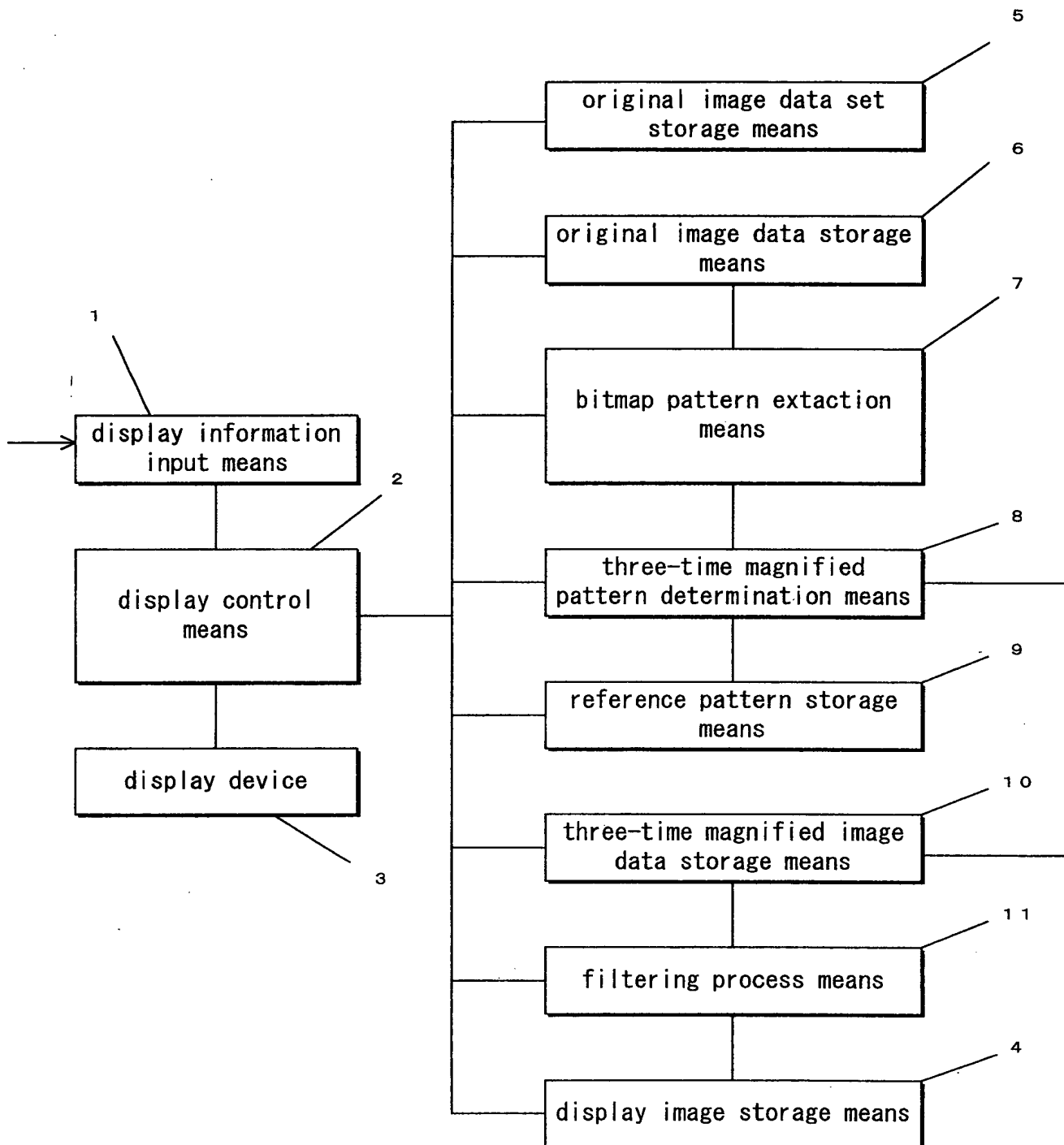


Fig. 2

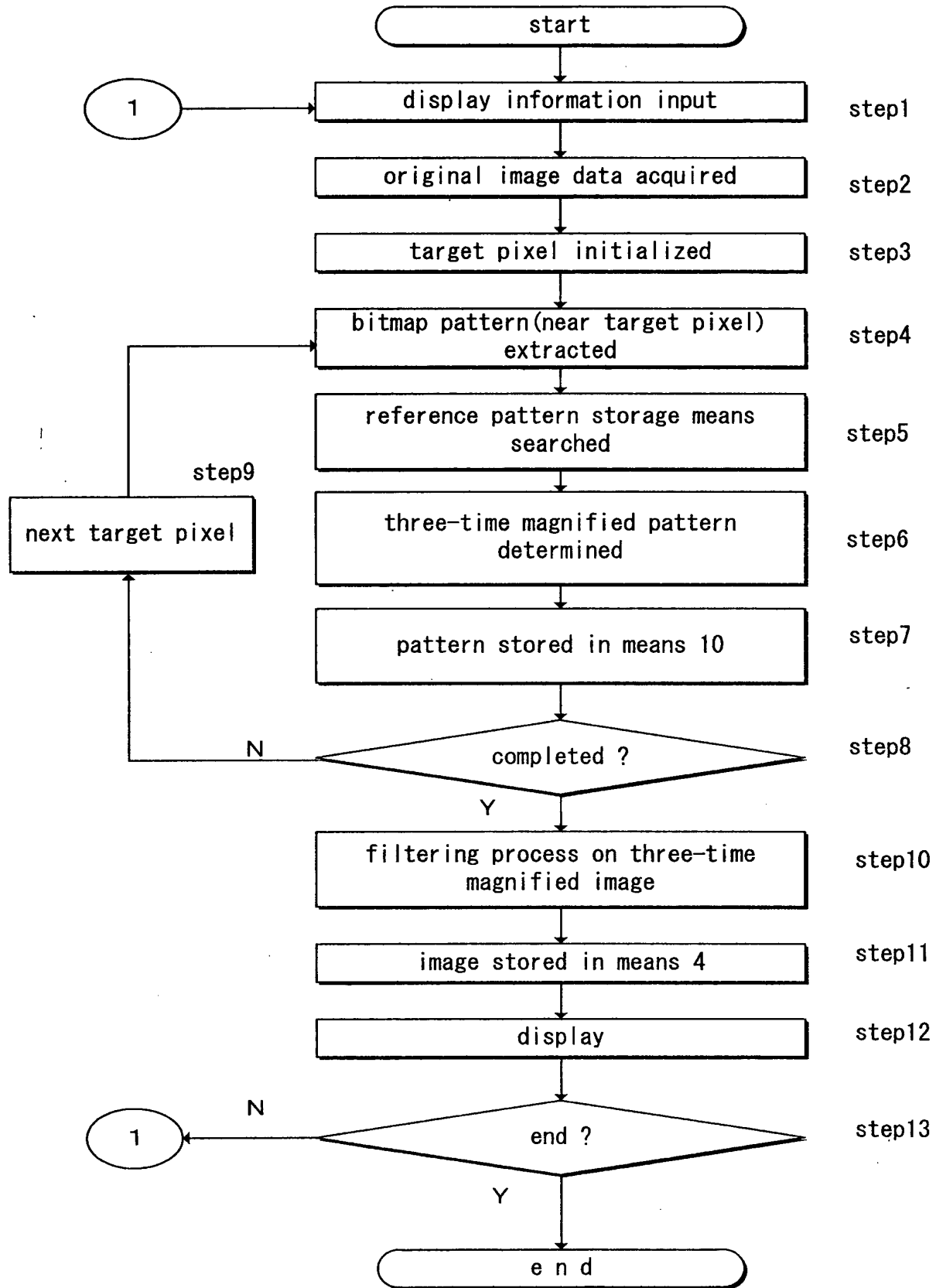


Fig. 3

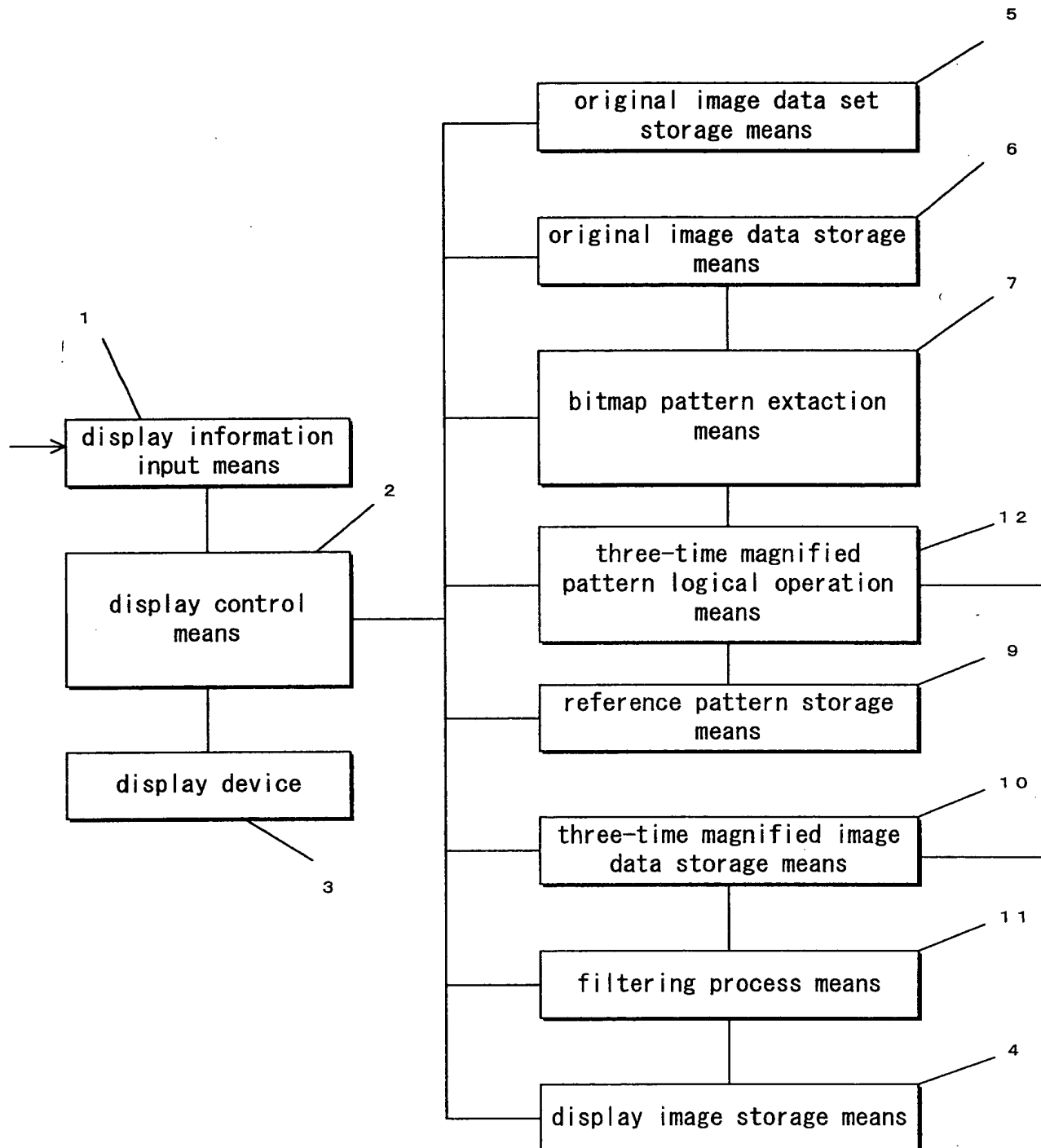
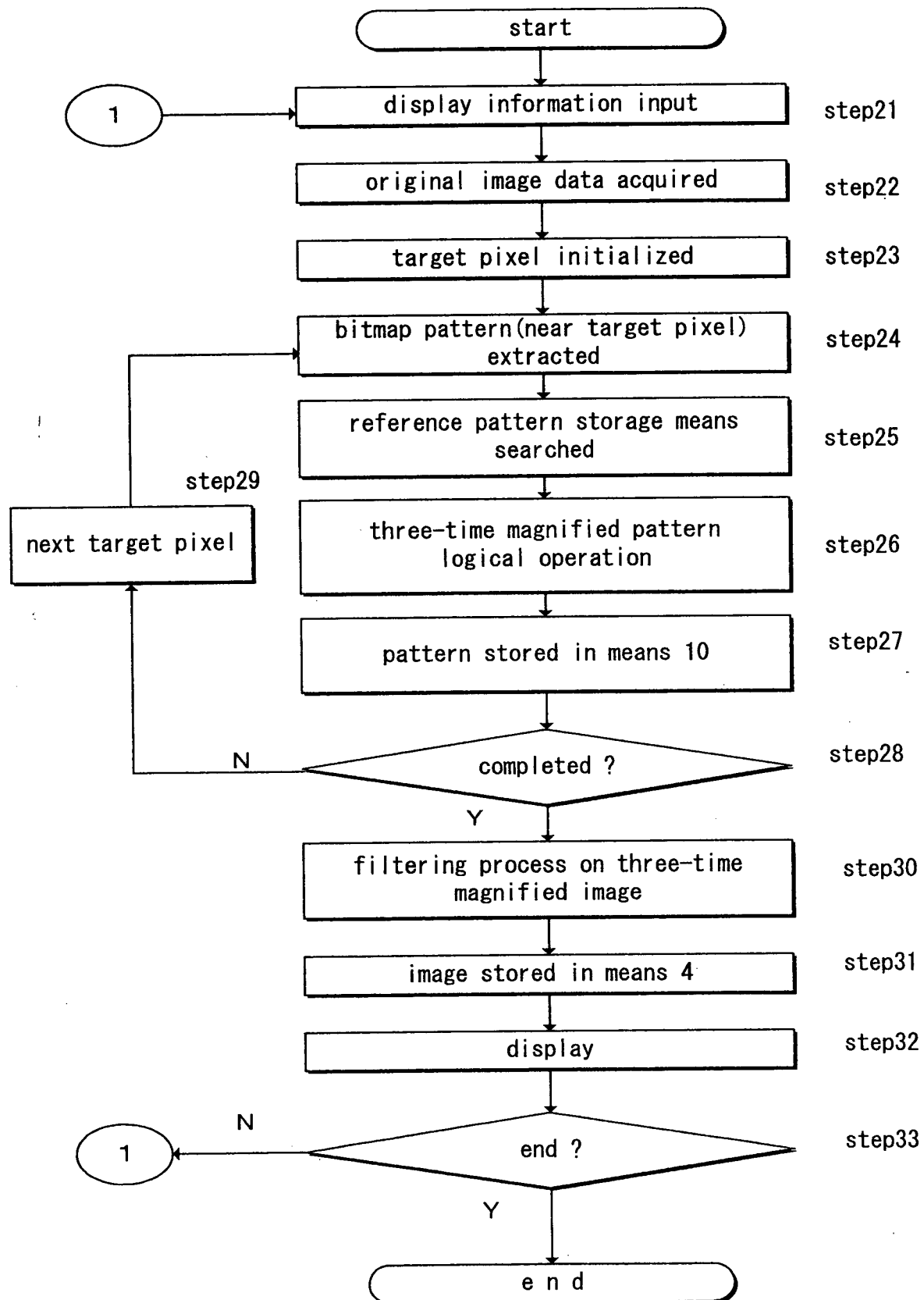


Fig. 4



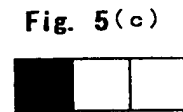
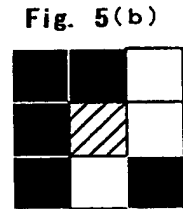
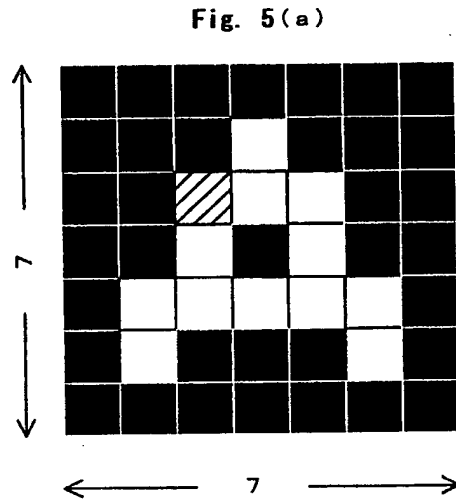


Fig. 6

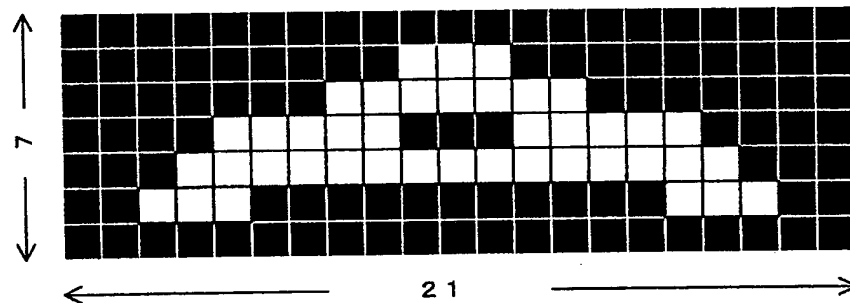


Fig. 7

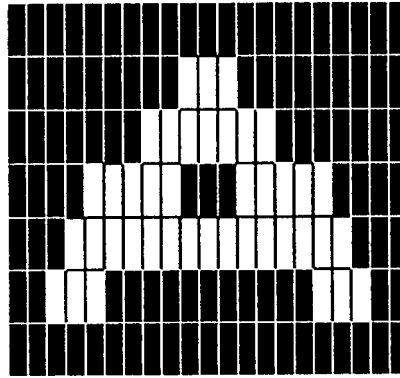


Fig. 8

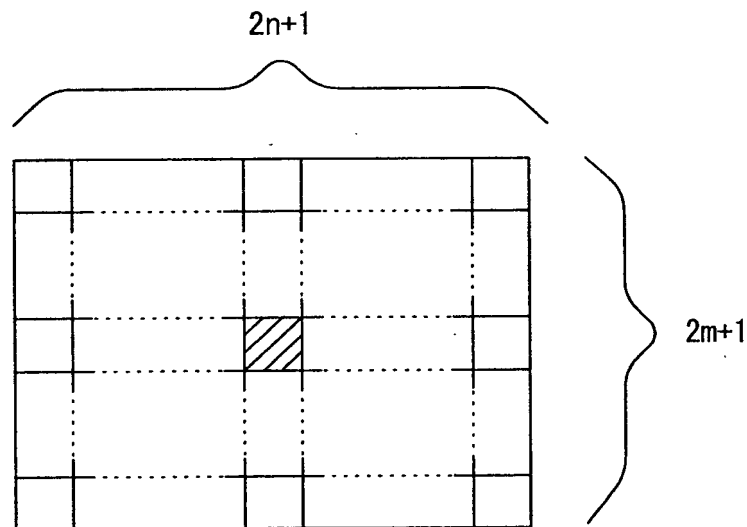


Fig. 9(a)

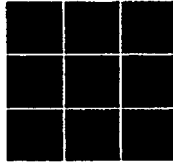


Fig. 9(b)



Fig. 9(c)

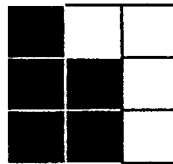


Fig. 9(d)



Fig. 9(e)

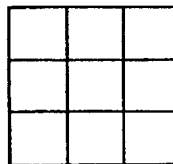


Fig. 9(f)



Fig. 10

000000000

000

001101001

001

111111111

111

Fig. 11(a)

(-1, -1)	(0, -1)	(1, -1)
(-1, 0)	(0, 0)	(1, 0)
(-1, 1)	(0, 1)	(1, 1)



don't care

Fig. 11(b)

*	*	*
*	*	*

if(x(-1,0)=1 and x(1,0)=1 and x(0,0)=1) then
result := '111';

Fig. 11(c)

*	*	*
*	*	*

if(x(-1,0)=0 and x(1,0)=0 and x(0,0)=0) then
result := '000';

Fig. 11(d)

*		*
*		*
*		*

if(x(0,-1)=1 and x(0,1)=1 and x(0,0)=1) then
result := '111';

Fig. 11(e)

*		*
*		*
*		*

if(x(0,-1)=0 and x(0,1)=0 and x(0,0)=0) then
result := '000';

Fig. 11(f)

*		
*		

if(x(-1,-1)=1 and x(0,1)=1 and x(0,0)=1
and x(0,-1)=0 and x(1,-1)=0 and x(1,0)=0
and x(1,1)=0) then
result := '110';

Fig. 11(g)

*		
*		

if(x(-1,-1)=0 and x(0,1)=0 and x(0,0)=0
and x(0,-1)=1 and x(1,-1)=1 and x(1,0)=1
and x(1,1)=1) then
result := '001';

⋮

Fig. 12

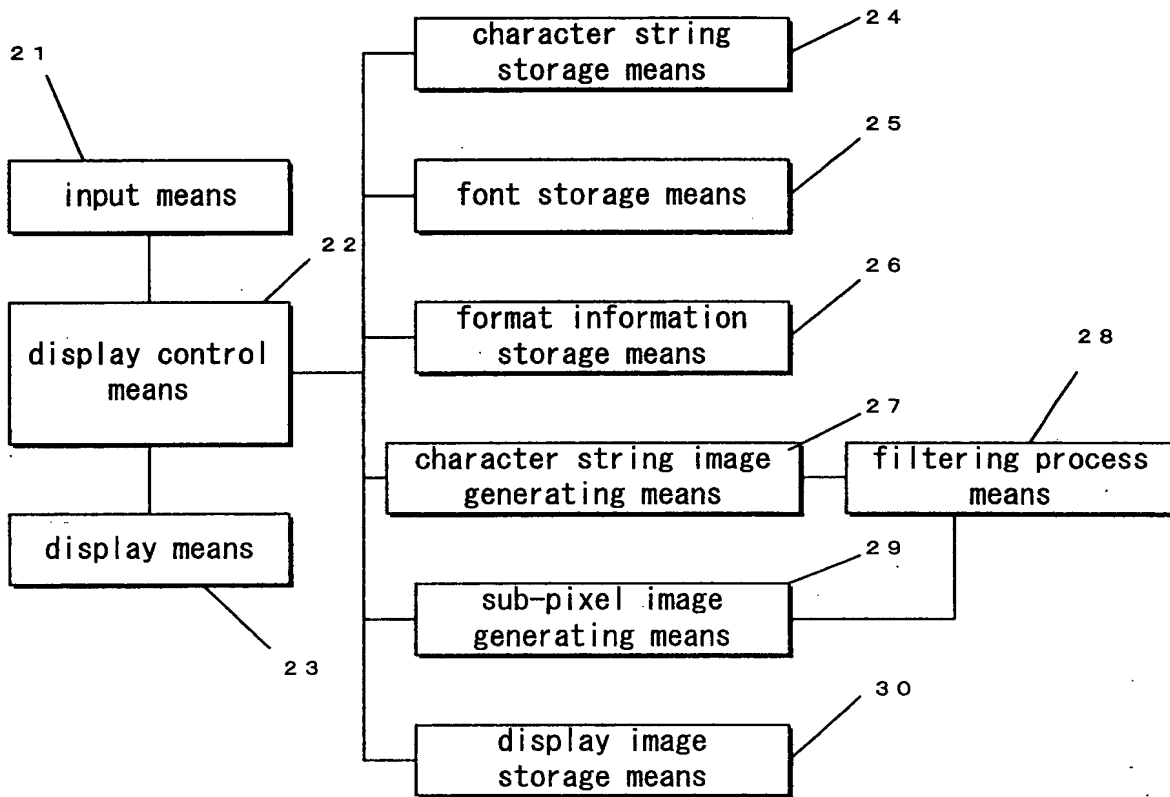


Fig. 13

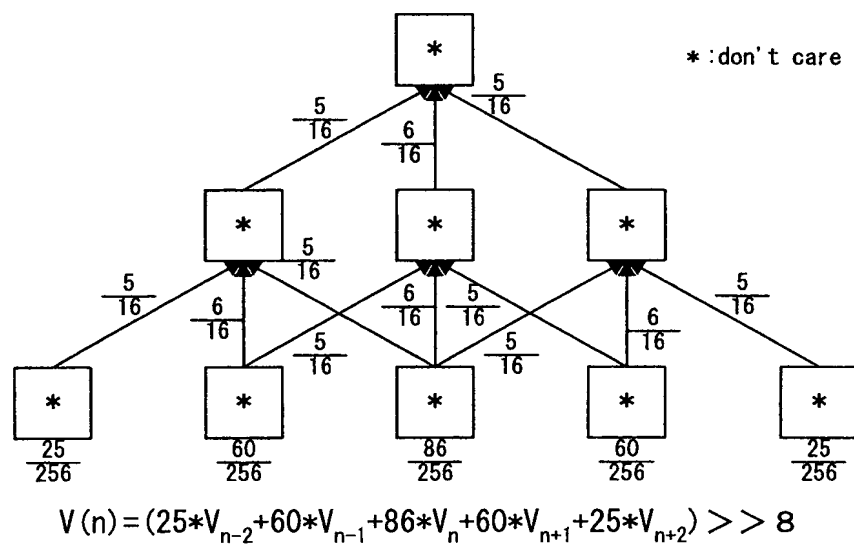


Fig. 14

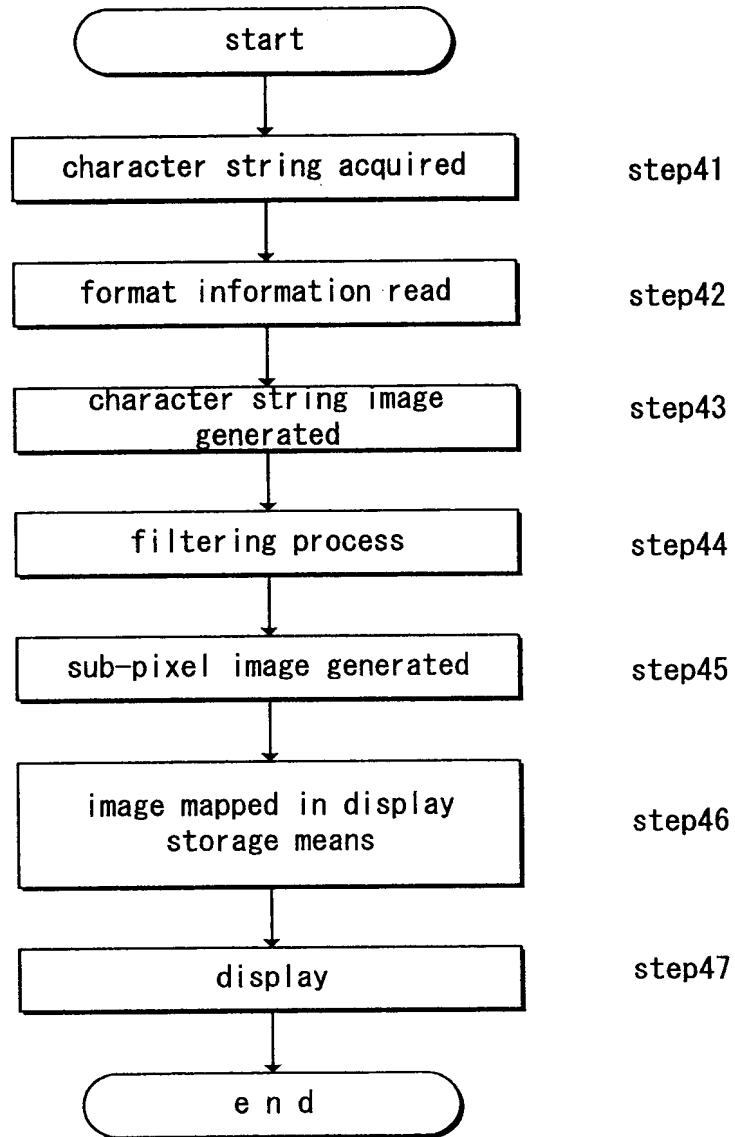


Fig. 15

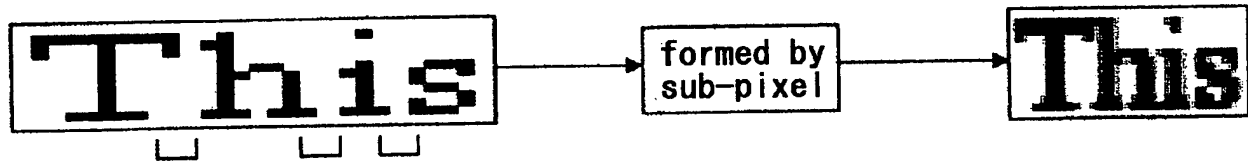


Fig. 16

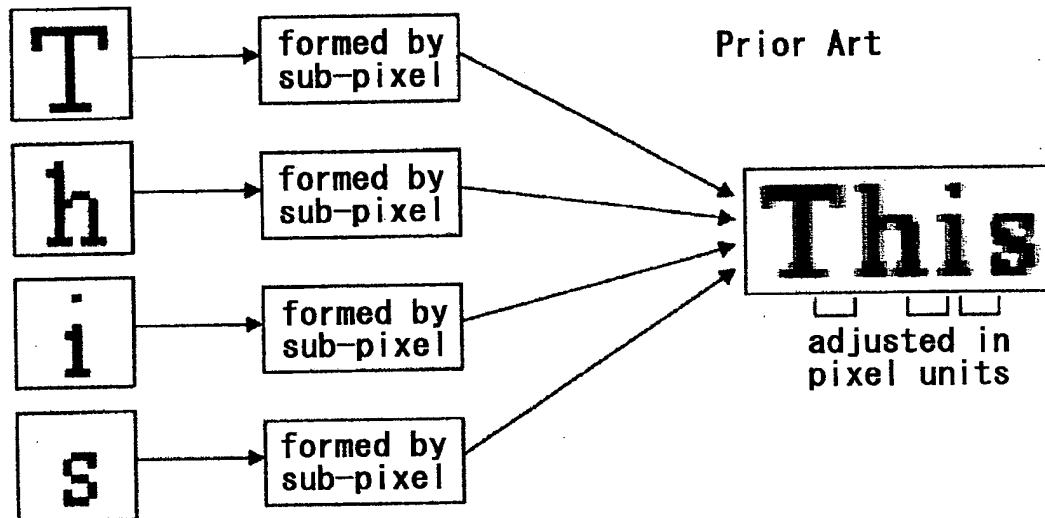


Fig. 17

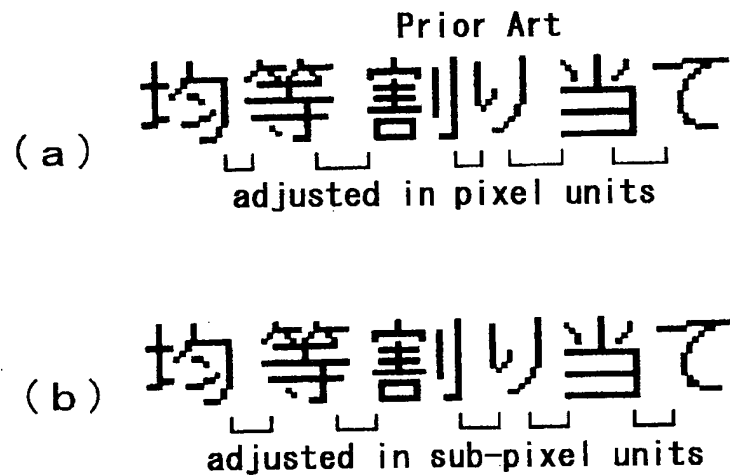


Fig. 18

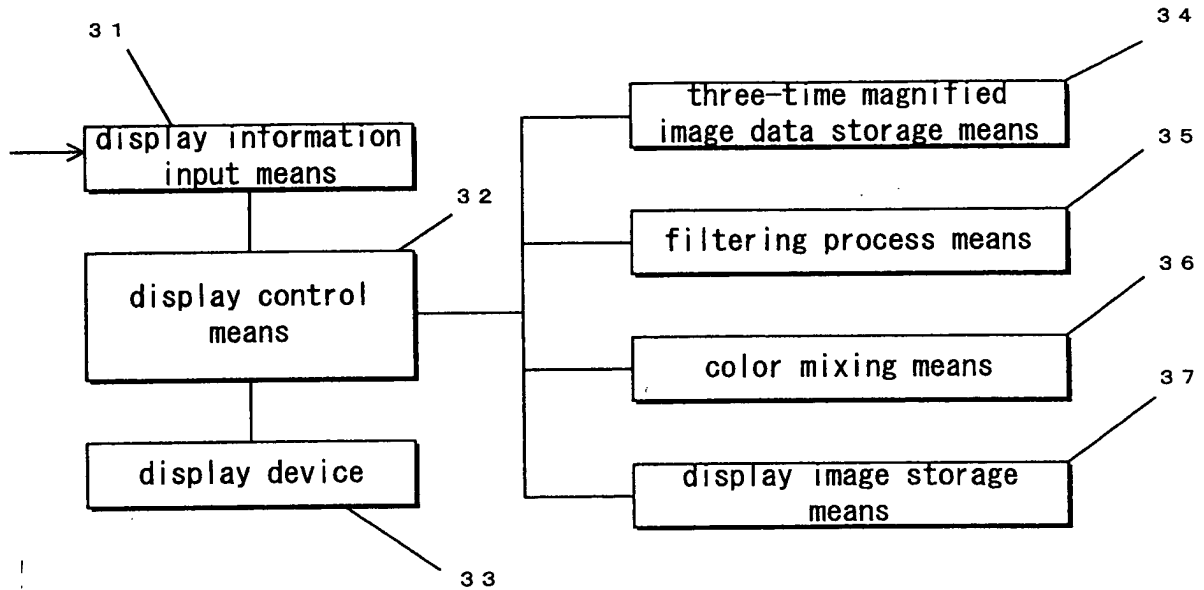


Fig. 19

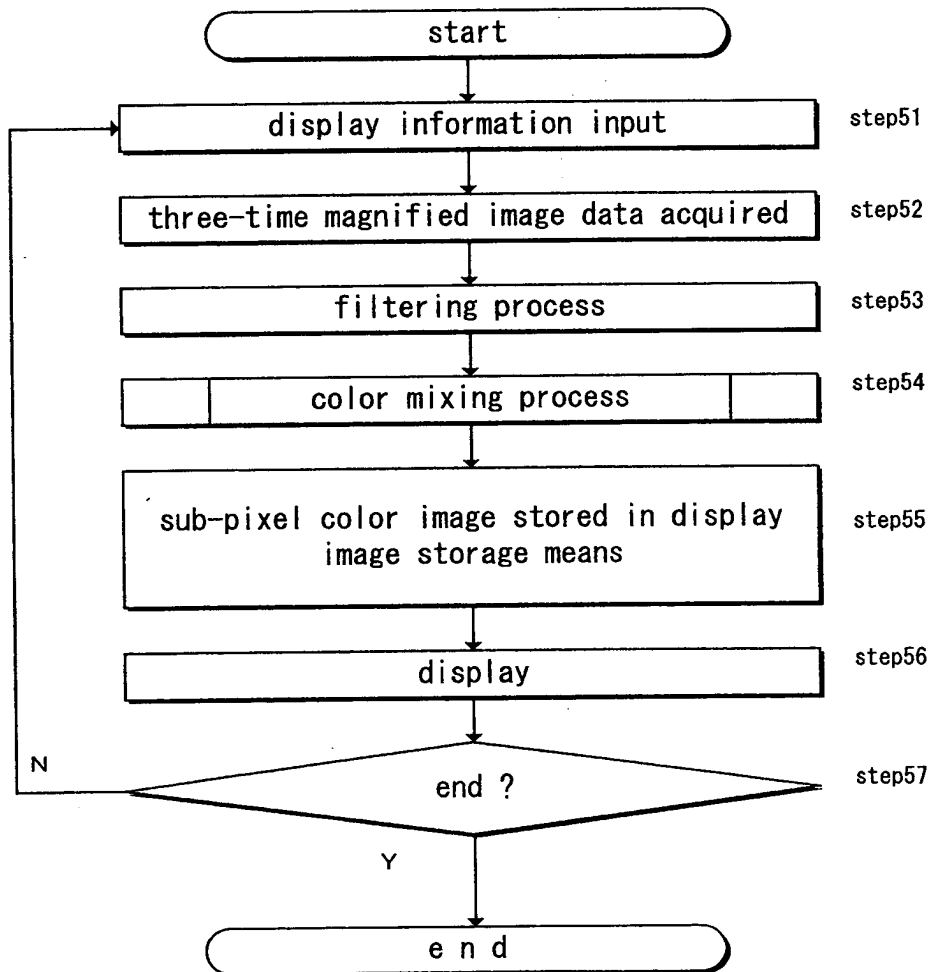


Fig. 20

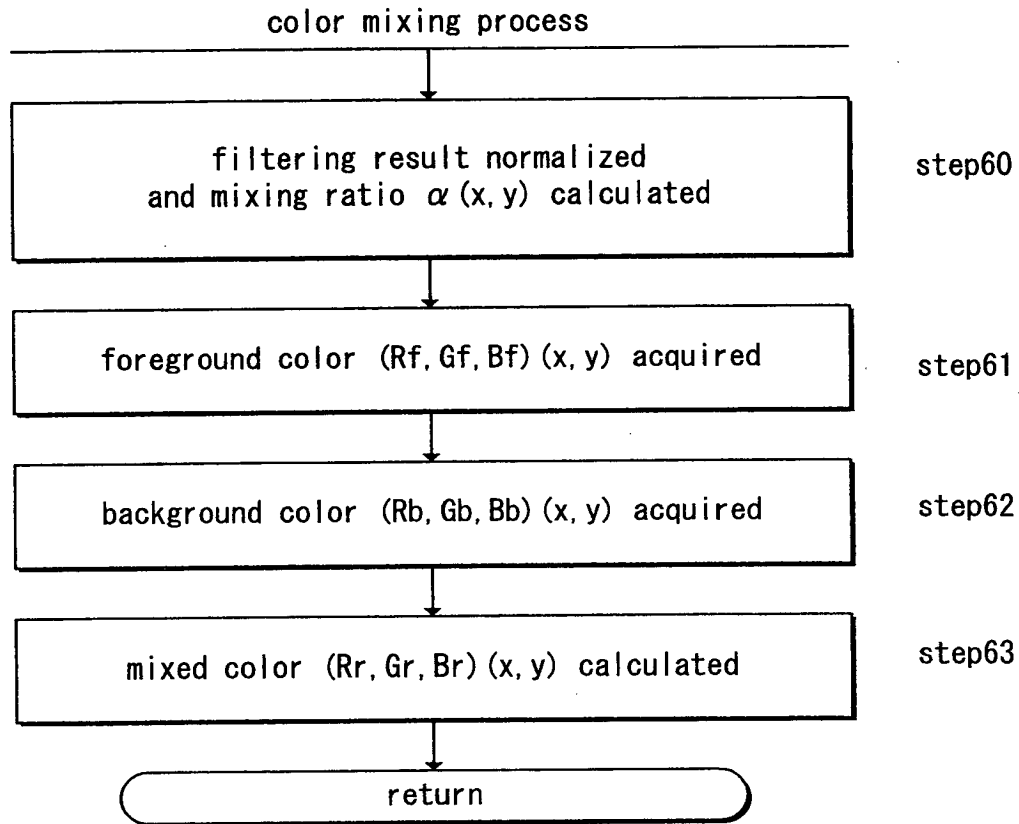


Fig. 21

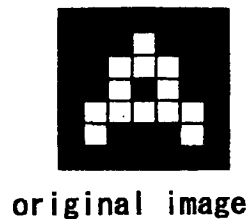


Fig. 22

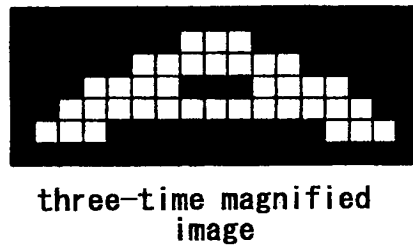


Fig. 23

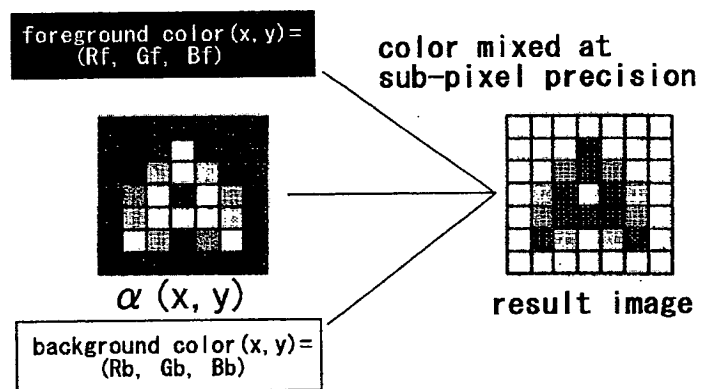


Fig. 24

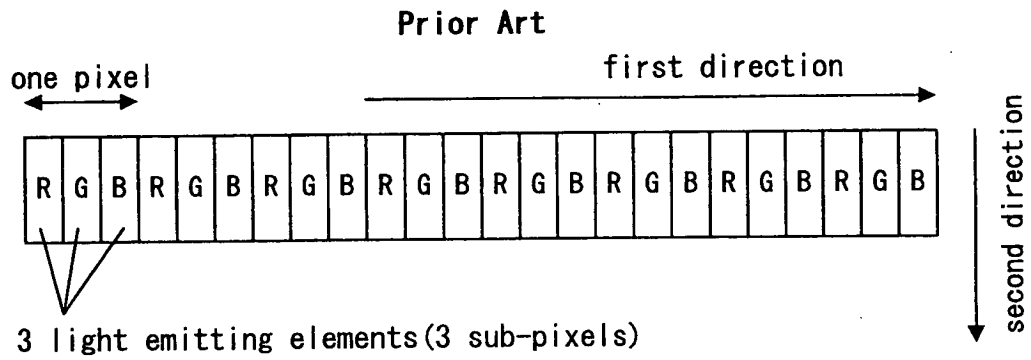


Fig. 25

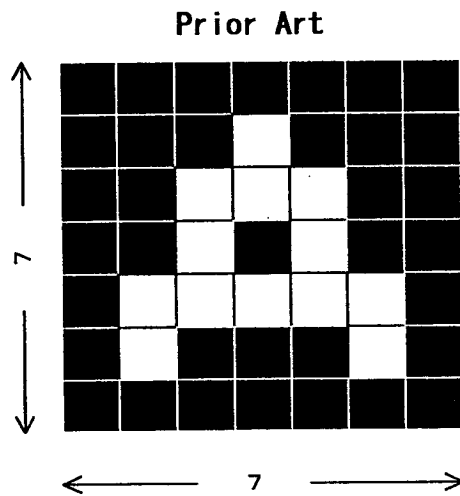


Fig. 26

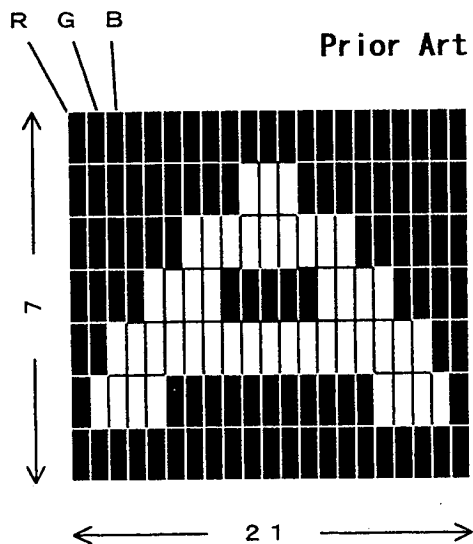


Fig. 27

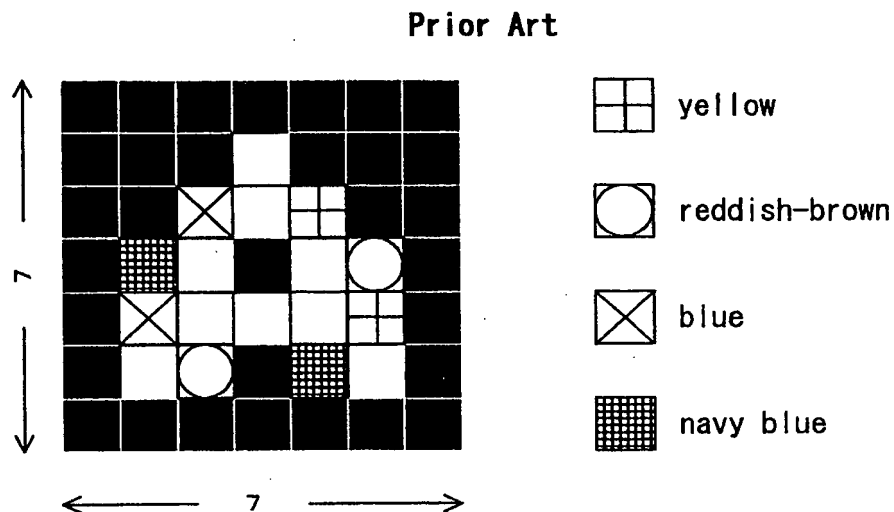
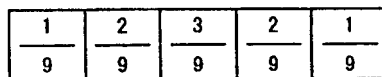
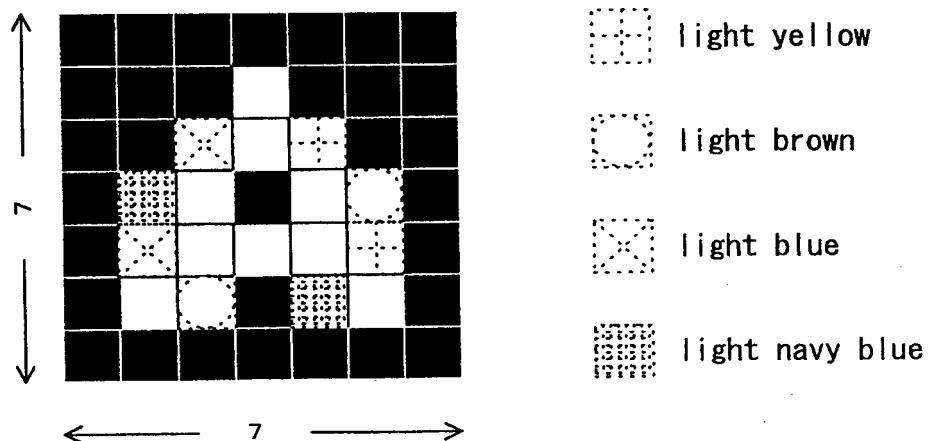


Fig. 28(a)



target pixel

Fig. 28(b)



Prior Art

Fig. 29(a)



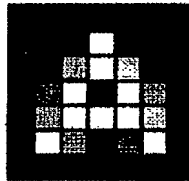
original image

Fig. 29(b)



**three-time magnified
image**

Fig. 29(c)



Prior Art